## **AMENDMENTS TO THE CLAIMS**

Please replace the claims with the following:

1. (Currently amended) A lubricating oil composition useful for diesel engine comprising:

a base oil suitable for lubricating a diesel engine; and

at least one oil-dispersible source of HNCO in dispersed in said base oil an amount of an isocyanate effective to reduce NOx emission from a diesel engine as compared to a lubricating oil without said isocyanate the source of HNCO.

- 2. (Canceled)
- 3. (Currently amended) The lubricating oil composition of claim <u>1.2</u> wherein the isocyanate is present in an amount of at least about 0.1% by weight based on the weight of the lubricating oil composition.
- 4. (Currently amended) The lubricating oil composition of claim \(\frac{1}{2}\)\) wherein the isocyanate is present in an amount of at least about 0.5% by weight based on the weight of the lubricating oil composition.
- 5. (Canceled)
- 6. (Canceled)
- 7. (Currently amended) The lubricating oil composition of claim <u>1.2</u>-wherein the isocyanate is a compound represented by the formula:

$$R - (N = C = O)_x$$

- 8. (Original) The lubricating oil composition of claim 7 wherein the isocyanate is present in an amount of at least about 0.1% by weight based on the weight of the lubricating oil composition.
- 9. (Original) The lubricating oil composition of claim 8 wherein the isocyanate is present in an amount of at least about 0.5% by weight based on the weight of the lubricating oil composition.
- 10. (Currently amended) The lubricating oil composition of claim \(\frac{1}{2}\)-wherein the isocyanate is methylene diphenyl diisocyanate.

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- 11. (Canceled)
- 12. (Original) The lubricating oil composition of claim 7 wherein x is 1 or 2.
- 13. (Original) The lubricating oil composition of claim 8 wherein x is 1 or 2.
- 14. (Original) The lubricating oil composition of claim 1 further comprising an additive selected from the group consisting of oxidation inhibitors, dispersants, detergents, and mixtures thereof.
- 15. (Currently amended) A lubricating oil composition useful for <u>lubricating a diesel</u> engine comprising: a base oil; and at least one isocyanate having sufficient volatility to degas from the lubricating oil composition under normal engine operating conditions in an amount effective to reduce NOx emission from a diesel engine <u>as compared</u> to a lubricating oil without the isocyanate.
- 16. (Original) The lubricating oil composition of claim 15 wherein the isocyanate is present in an amount of at least about 0.1% by weight based on the weight of the lubricating oil composition.
- 17. (Original) The lubricating oil composition of claim 16 wherein the isocyanate is present in a amount of at least about 0.5% by weight based on the weight of the lubricating oil composition.
- 18. (Original) The lubricating oil composition of claim 15 wherein the isocyanate is a compound represented by the formula:

$$R - (N = C = O)_x$$

- 19. (Original) The lubricating oil composition of claim 18 wherein the isocyanate is present in an amount of at least about 0.1 % by weight based on the weight of the lubricating oil composition.
- 20. (Original) The lubricating oil composition of claim 19 wherein the isocyanate is present in an amount of at least about 0.5% by weight based on the weight of the lubricating oil composition.
- 21. (Original) The lubricating oil composition of claim 18 wherein x is 1 or 2.
- 22. (Original) The lubricating oil composition of claim 19 wherein x is 1 or 2.

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- 23. (Original) The lubricating oil composition of claim 15 wherein the isocyanate is methylene diphenyl diisocyanate.
- 24. (Original) The lubricating oil composition of claim 16 wherein the isocyanate is methylene diphenyl diisocyanate.
- 25. (Original) The lubricating oil composition of Claim 15 further comprising an additive selected from the group consisting of oxidation inhibitors, dispersants, detergents, and mixtures thereof.
- 26. (Currently amended) A method of operating a diesel engine comprising: introducing into the diesel engine a lubricating oil composition; and operating the engine,

wherein the lubricating oil composition comprises a base oil; and at least one isocyanate present oil dispersible source of HNCO in an amount effective to reduce NOx emission from a diesel engine compared to a lubricating oil without the isocyanate source of HNCO.

- 27. (Canceled)
- 28. (Currently amended) The method of claim <u>26.27</u>-wherein the isocyanate is a compound represented by the formula:

$$R - (N = C = O)_x$$

- 29. (Currently amended) The method of claim 26 wherein the <u>isocyanate oil dispersible</u> source of HNCO is present in an amount of at least about 0.1% by weight based on the weight of the lubricating oil composition.
- 30. (Currently amended) The method of claim 26 wherein the <u>isocyanate oil-dispersible</u> source of HNCO is methylene diphenyl diisocyanate.
- 31. (Canceled)
- 32. (Canceled)
- 33. (Canceled)

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34. (Currently amended) A method of operating a diesel engine comprising: an engine body; a combustion chamber formed in the engine body for containing a mixture of fuel and air; a plurality of cylinders formed in the engine body; and a respective piston mounted in each of said plurality of cylinders for reciprocal movement through successive exhaust and intake strokes, each respective piston defining a combustion chamber for containing a mixture of fuel and air the method comprising:

introducing, into the combustion chamber, diesel fuel and air;
delivering a lubricating oil composition to said cylinders; and
compressing the diesel fuel in the combustion chamber to ignition with the
piston thereby generating an exhaust gas containing NOx;

wherein the lubricating oil composition comprises a base oil and at least one isocyanate oil-dispersible source of HNCO.

- 35. (Currently amended) The method of claim 34 wherein the <u>isocyanate has oil-dispersible source of HNCO is an isocyanate baving</u> sufficient volatility to degas from the lubricating oil composition under normal engine operating conditions.
- 36. (Currently amended) The method of claim <u>34</u> <u>35</u> wherein the isocyanate is a compound represented by the formula:

$$R - (N = C = O)_x$$

- 37. (Original) The method of claim 36 wherein the isocyanate is present in an amount of at least about 0.1% by weight.
- 38. (Original) The method of claim 36 wherein the isocyanate is present in an amount of at least about 0.5% by weight.
- 39. (Original) The method of claim 36 wherein the isocyanate is methylene diphenyl diisocyanate.
- 40. (Original) The method of claim 34 in which the isocyanate is present in an amount of at least 0.1% by weight based on the lubricating oil composition.
- 41. (Original) The method of claim 34 in which the isocyanate is present in an amount of at least 0.5% by weight based on the lubricating oil composition.
- 42. (Original) The method of claim 35 in which the isocyanate is present in an amount of at least 0.1% by weight based on the lubricating oil composition.

- 43. (Currently amended) The method of claim <u>36.37</u>-wherein x is 1 or 2.
- 44. (Currently amended) A lubricating oil composition useful for <u>lubricating a diesel</u> engine comprising:

a base oil: and

at least one isocyanate; represented by the formula:

$$R - (N = C = O)_x$$

wherein R is a hydrocarbyl group having 4 to 30 carbon atoms, and x is an integer of 1 to 4, present in amount of at least about 0.1% by weight to about 5% weight based on the lubricating oil composition.

- 45. (Original) The lubricating oil composition of claim 44 wherein x is 1 or 2.
- 46. (Original) The lubricating oil composition of claim 45 wherein the isocyanate is methylene diphenyl diisocyanate.
- 47. (Allowed) A method of operating a diesel engine comprising: an engine body; a combustion chamber formed in the engine body for containing a mixture of fuel and air; a plurality of cylinders formed in the engine body; and a respective piston mounted in each of said plurality of cylinders for reciprocal movement through successive exhaust and intake strokes, each respective piston defining a combustion chamber for containing a mixture of fuel and air the method comprising:

introducing, into the combustion chamber, diesel fuel and air; delivering a lubricating oil composition to the cylinders;

compressing the diesel fuel in the combustion chamber to ignition with the piston thereby producing an exhaust gas;

wherein the lubricating oil composition comprises a base oil and at least one isocyanate, represented by the formula:

$$R - (N = C = O)_x$$

wherein R is a hydrocarbyl group having 4 to 30 carbon atoms, and x is an integer of 1 to 4, present in amount of at least about 0.1% by weight to about 5% weight based on the lubricating oil composition.

- 48. (Allowed) The method of claim 47 wherein x is 1 or 2.
- 49. (Allowed) The method of claim 48 wherein the isocyanate is methylene diphenyl diisocyanate.